DEFENSE INFORMATION SYSTEMS AGENCY (DISA)
FY 1995 OPERATING PLAN

In Support of:
The Deputy Assistant Secretary of Defense
for Information Management

October 1994

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EXECUTIVE SUMMARY

Introduction

The Defense Information Systems Agency's (DISA) FY 1995 Operating Plan for Corporate Information Management (CIM) is the formal documentation of DISA's activities supporting the CIM goals of the Deputy Assistant Secretary of Defense for Information Management (DASD (IM)). CIM is a DoD-wide management improvement initiative embraced by the Deputy Secretary of Defense (DEPSECDEF) and the Assistant Secretary of Defense for Command, Control, Communications, and Intelligence (ASD (C3I)). It will bring about management efficiencies and information delivery enhancements through process improvement, data standardization, software and architecture engineering, and integration.

CIM is one of the cornerstones of the Department's "new way of doing business". It gives DoD the ability to enhance and sustain its warfighting capability. Standard data, dependable software, and robust architectures will enable speedy yet secure delivery of reliable, useful information to the warfighter. This is DISA's mission. Its stated mission is "To plan, engineer, develop, test, acquire, implement, operate, and maintain information systems for Command, Control, Communications and Intelligence (C3I) and mission support under all conditions of peace and war." Among its eleven major mission areas are C2 and intelligence information systems, telecommunications, shared computing, integration and interoperability, and test, training, and exercise.

Thus, DISA is committed to supporting the warrior and the need to plug in anywhere in the world and receive seamless, secure connectivity to other operational elements, mission support activities, and data bases for any assigned mission. Desert Storm leveraged technology and information as its key weapons, and Secretary Perry envisions the effective use of technology and information as the deciding factor in tomorrow's conflict. The ability to manage information depends on the ability to manage technology. The Defense Information Infrastructure (DII), the Global Command and Control System (GCCS), and C4I for the Warrior (C4IFTW) establish the global, end-to-end backbone network, computing infrastructure, and connectivity that give the warrior reach back capability for fused information anywhere, anytime. They embody the notion that the availability of accurate information, when and where needed, gives the warfighting commander an integrated picture of the battlespace to control the pace and outcomes of battle.

Responding to the Secretary's call, DISA is supporting Defense Information Management. It is taking the lead in applying information technology and services. It also hopes to be the foundational provider of these services to maintain the nation's competitive edge. DISA's contribution to DII, GCCS, and C4IFTW is to design and develop the substructure upon which the most

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effective superstructure of computers, communications, and concomitant information capabilities can be built and deployed. DISA's standards, methods, and tools guide and promote interconnectivity among the pieces of the backbone, thereby enhancing flexibility, portability, and availability. Its procedures, standards, and improved processes achieve management improvements and cost savings. Specifically, the Agency's Corporate Information support provides the full spectrum of technical activities that address the Department's information management needs:

- Improved processes through information engineering
  - Streamline processes by identifying and eliminating duplication and unnecessary overlap
  - Construct data and process models for information system design or redesign
  - Draft functionally driven, strategic information systems plans

- Standardized data through data administration
  - Provide procedures for standardization
  - Standardize data for accurate, reliable information
  - Centralize collection and storage of standard data for effective use of and simplified access to standards
  - Implement centralized data bases using standard data

- Software engineering and development
  - Centralize collection and storage of reusable code for effective use of and simplified access to lines of code
  - Revitalize Ada to develop and maintain major mission critical systems
  - Establish a single, common software engineering environment for better production and management of software
  - Apply software systems engineering processes, methods, and tools to migrate legacy systems to target systems

- Target systems architectures
  - Design and administer the DoD Technical Architecture Framework for Information Management (TAFIM)
  - Manage and apply information processing and transfer standards to information systems design, development, and acquisition
  - Institute a standards-based architecture
  - Publish approved guidelines for developers and operators of the technical infrastructure

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  - Identify legacy and migration systems, and define target systems
  - Institutionalize best practices in information technology operations and asset management
  - Streamline and facilitate asset acquisition, sharing, and reuse

- Enterprise integration across areas and at all levels
  - Promulgate the DoD Enterprise Model as a strategic planning tool for all of DoD
  - Apply process improvement and information engineering methodologies and techniques
  - Integrate within and among functions
  - Integrate information systems as part of technical solutions into functional area concerns

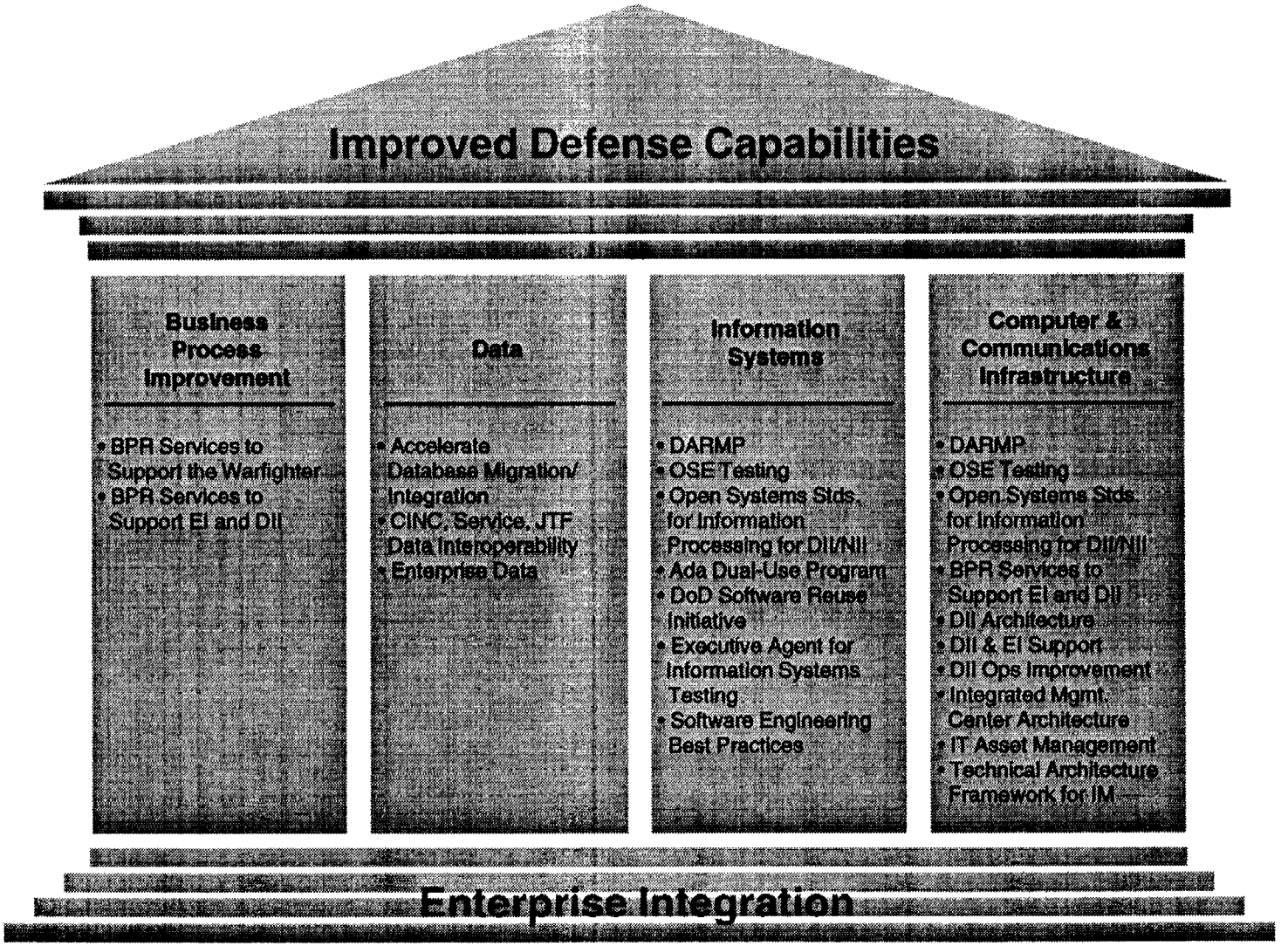
- Network services
  - Implement the Defense Information Systems Network (DISN) as the baseline communications structure upon which to build the DII, GCCS, and C4IFTW
  - Extend DISN to the theater and battlespace

- Test and evaluation for open systems standards conformance

Taken as a whole, these DISA activities provide the entire platform for the information infrastructure, supporting cost-effective means for entering an environment of increased demand for effectiveness without succumbing to diminished resources. DISA has the guidelines, procedures, methods, models, and tools that DoD needs to meet not only the objectives of CIM, but also to ultimately accomplish the mission of the Department -- supporting the warrior.

This Operating Plan details the planning, activities, and projects underway that support DoD corporate and mission critical information management. Each project is correlated to the appropriate DASD (IM) and DISA strategic objectives supported. Other project data included are funding and staff resources required, milestones, customers, performance measures, and critical success factors. Together, these activities and projects represent the cradle-to-grave technical support package needed to successfully achieve effective and efficient information management, whether of business support functions at the Pentagon or battlefront peacekeeping missions in Bahrain.

DISA Projects Supporting CIM



ASD (C3I) DASD (IM) 1995 Goals and Objectives

GOAL 1 - "REINVENT" AND REENGINEER DoD FUNCTIONAL PROCESSES TO ACHIEVE GREATER MISSION EFFECTIVENESS AT LOWER COSTS	OBJECTIVES: • Aggressively pursue process changes in DoD operations that will yield improved efficiency and effectiveness • Implement reengineering on a sustaining basis so that it is responsive to the guidance and priorities of the Department's leadership
GOAL 2 - TIE DoD TOGETHER THROUGH THE USE OF COMMON, SHARED DATA	OBJECTIVES: • Derive standard definitions of data, on an aggressive schedule • Establish strong management of data quality, including data availability, integrity, accuracy, and security
GOAL 3 - MINIMIZE DUPLICATION AND ENHANCE DoD'S INFORMATION SYSTEMS TO EMBODY REENGINEERED PROCESSES	OBJECTIVES: • Eliminate unnecessary, duplicate systems and migrate toward a common baseline of information systems • Implement enhanced information systems that incorporate reengineering results as well as standards-based technology

ASD (C3I) DASD (IM) 1995 Goals and Objectives

GOAL 4 - IMPLEMENT A FLEXIBLE, EFFICIENT WORLDWIDE COMPUTER AND COMMUNICATIONS INFRASTRUCTURE	OBJECTIVES: • Implement a computer and communications infrastructure that is transparent to the applications software residing on it • Establish technical policies and a standards-based system architecture to guide implementation of the infrastructure
GOAL 5 - APPLY CORPORATE INFORMATION MANAGEMENT TO INTEGRATE DEFENSE ENTERPRISE-WIDE OPERATIONS	OBJECTIVES: • Integrate technical programs, particularly cross-functionally, so that barriers to data sharing, transfer, and interoperability are identified and removed • Integrate end-to-end functional processes to achieve greater effectiveness and efficiency
GOAL 6 - ESTABLISH CIM POLICIES AND MANAGEMENT STRUCTURES	OBJECTIVES: • Ensure that the corporate-wide information management structures are put in place and can support the DoD's information needs for the 21st Century • Establish CIM policy to guide CIM implementation by communicating and clarifying goals, objectives, methods, and procedures

DISA Strategic Objectives

- Enable the DII to support the warfighter
- Implement enterprise integration and support DoD rightsizing
- Promote technological innovation and collaborative relationships among DII participants
- Provide effective customer service
- Maintain and meet the needs of a culturally diversified knowledge-based workforce
- **Position DISA as the DoD Leader in the innovative use of information systems technology and service**

Resources (Funding and Manpower)

PROJECT NAME	O&M	PROCUREMENT	R&D	TOTAL	STAFF
1. Accelerate Database Migration/Integration	3,042	0	0	3,042	38
2. Ada Dual-Use Program	0	0	10,800	10,800	7
3. BPR Services to Support EI and DII	1,408	0	0	1,408	3
4. BPR Services to Support the Warfighter	3,930	0	0	3,930	20
5. CINC, Service, JTF Data Interoperability	1,852	0	0	1,852	19
6. DARMP	495	0	0	495	38
7. DII Architecture	1,491	0	0	1,491	4
8. DII Enterprise Integration Support	100	0	0	100	1
9. DII Operations Improvement	669	0	0	669	8
10. DoD Software Reuse Initiative	4,800	0	0	4,800	4
11. Enterprise Data	4,987	0	0	4,987	48
12. Executive Agent for Information System Testing	1,121	0	0	1,121	0
13. Functional Baseline and Integration	6,483	650	0	7,133	18
14. Integrated Management Center Architecture *	0	0	0	0	1
15. IT Asset Management	3,283	0	0	3,283	12
16. Migration/Functional Tactical Planning	7,454	500	0	7,954	18
17. Migration Management	3,879	250	0	4,129	7
18. Open Systems Environment Testing	1,838	0	0	1,838	6
19. Open Sys Stds for Info Processing for DII/NII	3,690	0	0	3,690	55
20. Planning and Integration	2,350	729	0	3,079	26
21. Prototype and Requirement Validation	4,628	22,519	0	27,147	7
22. Software Engineering Best Practices	13,939	1,644	0	15,583	53
23. TAFIM	1,006	0	0	1,006	4
TOTAL	$72,445	$26,292	$10,800	$109,537	397

* The Integrated Management Center Architecture project is an unfunded requirement.

NOTE: Budget data presented reflects the budget as of October 6, 1994.

PROJECTS

Accelerate Database Migration/Integration

DASD (IM) OBJECTIVE SUPPORTED	Eliminate unnecessary, duplicate systems and migrate towards a common baseline of information systems; Establish strong management of data quality, including data availability, integrity, accuracy, and security
DISA STRATEGIC OBJECTIVE SUPPORTED	Position DISA as the DoD Leader in the innovative use of information systems technology and service
PROJECT LEADER	Carla von Bernewitz Center for Software (703) 681-2131 FAX (703) 681-2797

PROJECT DESCRIPTION

This project accelerates database migration and integration from thousands of legacy databases to the chosen migration databases by using reverse engineering; defining and integrating logical and physical database designs; and providing data migration planning support, mappings, and management controls.

Accelerate Database Migration/Integration

FUNDING ($000)	
CONTRACT	
O&M	$3,042
PROCUREMENT	$ 0
R&D	$ 0
OTHER	$ 0
Sub Total	$3,042
TRAVEL	$ 20
TRAINING	$ 17
Total	$3,079

MANPOWER	
DISA STAFF YEARS:	38
CONTRACT STAFF YEARS:	20.6

MILESTONES BY QUARTER	1st - Migration systems: Collaborative modeling proposal packages 2nd - Enterprise database prototype design 3rd - External (industry) standards infusion to Enterprise Data Model database prototype evolutionary plan 4th - Enterprise database prototype demonstration
CUSTOMERS	Functional Managers (PSAs), Services, Defense Agencies, CINCs, Central Design Activities, PEOs/PMS
PRODUCT(S)	Plans; Methodologies and tools; Guidance; Education; Data modeling and standardization; Data migration; Database admin and design; Program mgmt
CONSTRAINTS OR RISKS	Funding; Functional and DISA management level of participation; Technology limitations

Accelerate Database Migration/Integration

PROJECT OBJECTIVES	PERFORMANCE MEASURES	CRITICAL SUCCESS FACTORS
1. Design prototype subject area databases	Number of data attributes shared; Number of legacy data attributes mapped to shared databases	Maturity of data standards; Translations to legacy databases
2. Develop subject area database prototypes	Number of prototypes developed or number of legacy data attributes replaced	Data standards and sources identified; Megacenter capabilities
3. Develop data migration plans	Number of data migration plans	Participation by Functionals
4. Strategic planning	Annual Data Administration Strategic Plan	Input from Functionals, Services, Defense Agencies, and CINCs
5. Standardize GCCS, RCAS, and DII data requirements	Candidate proposal packages	Successful collaborative sessions
6. Update GCCS, RCAS, and DII data baseline	Prioritize GCCS, RCAS, and DII data requirements	Block releases and schedules identified
7. Develop GCCS, RCAS, and DII shared database systems	Number of legacy databases and data standards implemented	Integration of model packages and availability of suitable infrastructure

Ada Dual-Use Program

DASD (IM) OBJECTIVE SUPPORTED	Derive standard definitions of data, on an aggressive schedule
DISA STRATEGIC OBJECTIVE SUPPORTED	Position DISA as the DoD Leader in the innovative use of information systems technology and service
PROJECT LEADER	Donald J. Reifer Center for Software (703) 681-2069 FAX (703) 681-2784

PROJECT DESCRIPTION

The Ada dual-use program is targeted toward revitalizing Ada and encouraging its use throughout DoD, Government, industry, and academia. Specifically, the program manages the launch of Ada 9X. This involves efforts in standardization, compilers, validation, evaluation, bindings, tools, and transition support. The program also is targeted to increase commercial use of Ada through an agressive dual-use program. This involves coordination with Services for Ada requirements and satisfying them via partnerships, and definition of Ada technology needs and coordinating them with ARPA, the Service labs, and academia. The Revitalization Program acts as the Department's spokesman for Ada matters with other Government agencies, international partners, professional groups, and societies. The program also markets Ada and provides current and accurate information to interested parties about Ada activities.

Ada Dual-Use Program

FUNDING ($000)	
CONTRACT	
O&M	$ 0
PROCUREMENT	$ 0
R&D	$ 10,800
OTHER	$ 0
Sub Total	$ 10,800
TRAVEL	$ 130
TRAINING	$ 50
Total	$10,980

MANPOWER	
DISA STAFF YEARS:	7
CONTRACT STAFF YEARS:	167

MILESTONES BY QUARTER	1st - 2nd - Expand outreach; Ada 9X standard 1st - 3rd - Early 9X adopters; DOE AdaSAGE; DISA policy; Eval test suite 1st - 4th - Bindings; tools; University BAA; ATIP
CUSTOMERS	DoD, Other Government Agencies, Academia, Industry, Vendors
PRODUCT(S)	Ada compilers; Tools; Bindings; Training courses; Validation and evaluation test suites; Information dissemination
CONSTRAINTS OR RISKS	Correct type of funds for ATIP - Partners Program; Insufficient people resources to implement, manage, and evaluate quality

Ada Dual-Use Program

PROJECT OBJECTIVES	PERFORMANCE MEASURES	CRITICAL SUCCESS FACTORS
1. Create market pull for Ada in both the commercial and Defense market sectors	Increased market share; Growth in commercial use	Increased availability of venture capital
2. Establish partnership with industry and academia	Increased adoption of Ada by industry and academia	Availability of DDR&E and O&M Funding
3. Provide incentives and support	Increased availability of Ada bindings and tools	Adequate funding for full range of necessary support
4. Reinforce commitment	Consistent application of DoD Ada policy	Continued OASD support
5. Maintain current AJPO activities	Completion of establishing an Ada 9X standard	Ada 9X adopted and launched no later than April 95

BPR Services to Support EI and DII

DASD (IM) OBJECTIVE SUPPORTED	"Reinvent" and reengineer DoD functional processes to achieve greater mission effectiveness at lower costs
DISA STRATEGIC OBJECTIVE SUPPORTED	Position DISA as the DoD Leader in the innovative use of information systems technology and service
PROJECT LEADER	Judy Albert Center for Software (703) 681-2400 FAX (703) 681-2863

PROJECT DESCRIPTION

This project provides the capability for DoD to reengineer business processes to achieve an integrated enterprise, to provide a foundation for cross-functional integration and system migration, and to optimize the planning of the DII. This project directly supports the DISA Strategic Plan goal of rightsizing the defense organization with Business Process Reengineering (BPR) expertise.

BPR Services to Support EI and DII

FUNDING ($000)	
CONTRACT	
O&M	$ 1,408
PROCUREMENT	$ 0
R&D	$ 0
OTHER	$ 0
Sub Total	$ 1,408
TRAVEL	$ 4.8
TRAINING	$ 7.4
Total	$1,420.2

MANPOWER	
DISA STAFF YEARS:	3
CONTRACT STAFF YEARS:	9

MILESTONES BY QUARTER	1st - Simulation project 2nd - ADAPT suite for DII, GCCS FEA 3rd - DII Groupware sessions (fixed and mobile) 4th - Reinvention Lab technical support
CUSTOMERS	Warfighter, ASD(C3I), DoD Functional Managers
PRODUCT(S)	Strategic and performance plans; Activity Based Costing (ABC); Functional Economic Analysis (FEA); DII/EI simulation support; Centralized supplier of information for BPR Reinvention Labs
CONSTRAINTS OR RISKS	Continued support from senior leadership in DISA and OSD for the DII program

BPR Services to Support EI and DII

PROJECT OBJECTIVES	PERFORMANCE MEASURES	CRITICAL SUCCESS FACTORS
1. Provide simulation support to the warfighter for DII	Number of simulations performed	Continued buy-in from DoD management and funding
2. Provide loaner tools to support DII FPI efforts	Number of demos and tools provided to C2 Functionals	Continued funding
3. Provide mobile groupware technical support	Number of demos and level of groupware support	Continued funding; Executive-level buy-in
4. Provide and disseminate BPR project analyses	Time to capture and disseminate BPR metrics and lessons learned	Continued funding; Support from Functionals
5. Provide FEA support for DII	Number of functional activities receiving FEA support	Continued funding
6. Provide Reinvention Lab BPR technical support for EI/DII	Number of BPR efforts supported	Continued funding; Executive-level buy-in
7. Provide best business practices (BBP) and performance metrics support for DII	Number of BBP/performance measurement efforts conducted	Continued funding; Executive-level buy-in
8. Provide technical support and ADAPT platforms for DII planning	Number of ADAPT demos provided	Continued funding; CINC buy-in

BPR Services to Support the Warfighter

DASD (IM) OBJECTIVE SUPPORTED	"Reinvent" and reengineer DoD functional processes to achieve greater mission effectiveness at lower costs
DISA STRATEGIC OBJECTIVE SUPPORTED	Position DISA as the DoD Leader in the innovative use of information systems technology and service
PROJECT LEADER	Judy Albert Center for Software (703) 681-2400 FAX (703) 681-2863

PROJECT DESCRIPTION

This project acts as the single point of reference for C2 warfighters engaged in Business Process Reengineering (BPR) and provides the methods, tools, techniques, training, procedures, and technical services to support the warfighter, PSAs, and Defense Agencies in rightsizing DoD. This project directly supports the DISA Strategic Plan goals of: rightsizing defense organizations through BPR and Enterprise Integration (EI) expertise; operating and continuously improving a world-class BPR capability; prototyping information technologies integral to BPR efforts; and executing a pilot BPR/EI effort within DISA and expanding efforts to include OSD functional areas and a PSA or Defense Agency.

BPR Services to Support the Warfighter

FUNDING ($000)	
CONTRACT	
O&M	$ 3,930
PROCUREMENT	$ 0
R&D	$ 0
OTHER	$ 0
Sub Total	$ 3,930
TRAVEL	$ 12.2
TRAINING	$ 18.6
Total	$3,960.8

MANPOWER	
DISA STAFF YEARS:	20
CONTRACT STAFF YEARS:	42

MILESTONES BY QUARTER	1st - BPR tools/technical assistance to GCCS/CINCEUR 2nd - 100 persons enrolled/engaged in Cadre 100 3rd - BPR tools/technical assistance to other CINCs 4th - Mobile collaborative technology support to CINCs
CUSTOMERS	Warfighter, ASD (C3I) - sponsored project that supports all echelons of DoD, DASD (IM)
PRODUCT(S)	Center for FPI Expertise (CFFE); Strategic performance plans; Activity Based Costing (ABC); FEA consultation and tool support; Simulation support; Support to Comptroller's lifecycle cost/benefit analysis
CONSTRAINTS OR RISKS	Continued support from senior leadership in DISA and OSD for BPR program

BPR Services to Support the Warfighter

PROJECT OBJECTIVES	PERFORMANCE MEASURES	CRITICAL SUCCESS FACTORS
1. Provide operational support to the Center for FPI Expertise	Number of customers	Continued funding; Executive-level buy-in
2. Provide collaborative technology support for the warfighter	Number of sessions conducted	Continued funding; Executive-level buy-in
3. Provide support to the DoD IDEF Repository	Number of customers	Lack of adequate funds will cause repository shutdown
4. Provide technical support for ADAPT for CINCs	Number of personnel trained; Hours of tech assistance provided	Continued funding; CINC buy-in
5. Provide BPR loaner tools for evaluation and to quick-start FPI efforts	Number of tools loaned above FY94 amount	Continued funding
6. Provide emerging tools and techniques to support the warfighter	Number of new tools and techniques demonstrated to DoD Functionals	Continued funding
7. Provide BPR loaner tools to the warfighter/CINCs	Number of tools loaned	Continued funding
8. Provide process simulation for analysis of improvements for the warfighter	Number of process simulations performed	Continued funding; Management support
9. Provide knowledgebase of BPR workshops	Number of BPR workshops documented	Continued funding
10. Provide Cadre 100 certification training to DISA and the DoD functional community	Number of certified DISA and DoD Functionals	Continued funding; Executive-level buy-in

CINC, Service, JTF Data Interoperability

DASD (IM) OBJECTIVE SUPPORTED	Implement enhanced information systems that incorporate reengineering results as well as standards based technology; Establish strong management of data quality, including data availability, integrity, accuracy, and security
DISA STRATEGIC OBJECTIVE SUPPORTED	Position DISA as the DoD Leader in the innovative use of information systems technology and service
PROJECT LEADER	Carla von Bernewitz Center for Software (703) 681-2131 FAX (703) 681-2797

PROJECT DESCRIPTION

This project implements data standardization and interoperability in the databases of the CINCs, Services, and JTF; the DII, GCCS, CALS, and EC/EDI programs; the weapon systems programs; and the cross-functional information system programs (BLSM, RCAS, SBIS) as well as tactical database projects (e.g., NWTDB, Tac Air Ops, JTF HQ, and Battlefield Logistics).

CINC, Service, JTF Data Interoperability

FUNDING ($000)	
CONTRACT	
O&M	$1,852
PROCUREMENT	$ 0
R&D	$ 0
OTHER	$ 0
Sub Total	$1,852
TRAVEL	$ 20
TRAINING	$ 9
Total	$1,881

MANPOWER	
DISA STAFF YEARS:	19
CONTRACT STAFF YEARS:	17

MILESTONES BY QUARTER	1st - Institutionalize facilitation of DAPMO workgroups for GCCS and RCAS; Develop critical success factors and performance measures 2nd - Conduct evaluation of group decision support tools for possible acquisition 1st - 4th - Provide collaborative modeling support for DAPMO and its customers; Conduct DPI data quality assessments
CUSTOMERS	CINCs, Warfighters, FDAds, Joint Staff, Services, PEO/PMS, Central Design Activities, Operators, Defense Agencies
PRODUCT(S)	CINC and component Data Administration plans; Guidance; Training; Data models and standards; Data integration; Subject area database implementation; CDAd program mgmt; Community assistance in defining, designing, and implementing standard data products; Data quality assessment and improvement plans
CONSTRAINTS OR RISKS	Funding; Functional and DISA level of participation; Technology limitations

CINC, Service, JTF Data Interoperability

PROJECT OBJECTIVES	PERFORMANCE MEASURES	CRITICAL SUCCESS FACTORS
1. Implement data standards in real systems	Implemented data standards	PEO, PM, CDA, and CINC acceptance
2. Build shared databases in operational centers	Implemented shared databases	PEO, PM, CDA, and CINC participation
3. Conduct data quality assessments	Documented quality statistics for critical databases	CINC and DPI participation
4. Provide performance metrics for Data Administration activities based on benchmarking across governmental and private enterprises	Documented metrics for each activity within DoD Data Administration	Available performance measures; Prototype functional activity; Resources
5. Capture costs of DoD Data Administration	Documented costs for each product delivered within DoD Data Administration	Available DoD Data Admin activity costs; Prototype functional activity; Resources

Defense Automation Resources Management Program (DARMP)

DASD (IM) OBJECTIVE SUPPORTED	Eliminate unnecessary, duplicate systems and migrate toward a common baseline of information systems
DISA STRATEGIC OBJECTIVE SUPPORTED	Position DISA as the DoD Leader in the innovative use of information systems technology and service
PROJECT LEADER	Shirley L. Fields Center for Software (703) 681-2287 FAX (703) 681-2865

PROJECT DESCRIPTION

The Federally-mandated program sponsored by DASD(IM) provides centralized information services on the DoD ADPE inventory to DoD managers worldwide, GSA, Congress, and other oversight organizations. It also enables DoD to save $100 million yearly through reuse and sharing of excess DoD ADPE and COTS software. Excess ADPE that is not used in DoD is donated to the Nation's schools in support of two Executive Orders to strengthen the National Education Goals.

Defense Automation Resources Management Program (DARMP)

FUNDING ($000)	
CONTRACT	
O&M	$ 495
PROCUREMENT	$ 0
R&D	$ 0
OTHER	$ 0
Sub Total	$ 495
TRAVEL	$ 335
TRAINING	$ 41
Total	$ 871

MANPOWER	
DISA STAFF YEARS:	38
CONTRACT STAFF YEARS:	3

MILESTONES BY QUARTER	1st - Sponsor the DARMP Workshop 2nd - Increase technology transfers and exchange between industry, Educational Institutions, and DISA 3rd - Provide information technology asset management information and software tools to support the GCCS users 4th - Increase DARMP participation throughout DoD
CUSTOMERS	GSA, OSD, DoD, Military Departments, Defense Agencies, Defense Contractors, State Agencies, Federal Agencies, Educational Institutions
PRODUCT(S)	Information services; IT asset transfers and donations
CONSTRAINTS OR RISKS	Lack of appropriate program funding to service customers; Diminished DoD cost savings

Defense Automation Resources Management Program (DARMP)

PROJECT OBJECTIVES	PERFORMANCE MEASURES	CRITICAL SUCCESS FACTORS
1. Increase DARMP awareness	Increased DARMP participation	Funding and resource allocation
2. Increase Automation Resource asset donations to Educational Institutions	Number of items transferred	Adequate staffing
3. Conduct Educational Institution infrastructure workshops	Number of workshops completed	Availability of funds
4. Continue Minority On-Line Information Systems (MOLIS) subscription	Number of referrals from MOLIS	University participation and availability of funds
5. Develop interface between MOLIS and Automation Resources Management System (ARMS)	DISA manhours saved	Availability of funds
6. Develop Federal exchange industry/university technical intern program	Number of recruits/exchanges	Industry/University participation and availability of funds
7. Increase quality and quantity of inventory data	Increased volume and improved quality and accuracy of the DoD automation resources inventory recorded in ARMS; Data captured at source of procurement/contract	Funding and cooperation of procurement organizations

Defense Automation Resources Management Program (DARMP)

PROJECT OBJECTIVES	PERFORMANCE MEASURES	CRITICAL SUCCESS FACTORS
8. Increase DARMP capabilities	Improved quality of management reports and wider distribution	Funding and resource allocation
9. Improve DARMP training program	Increase training to DARMP users by 20%	Funding and resource allocation
10. Increase DARMP customer satisfaction	Conduct conferences/workshops/ training	Funding and resource allocation
11. Eliminate hardcopy reporting of excess automation resources	Reduction in number of hardcopy reports received	Cooperation of DoD activities; Training of DoD personnel
12. Automate transfer process for redistribution	Increase in transfers resulting in increased savings	Resource availability; Cooperation of DoD activities
13. Develop recycling for informing activities of sharing capacity	Savings resulting from providing better capacity sharing information	Resource availability; Cooperation of DoD activities
14. Establish two Historically Black Colleges and Minority Institutions Network Control Centers	Number of network control centers operational	Connectivity and/or networking services available

DII Architecture

DASD (IM) OBJECTIVE SUPPORTED	Implement reengineering on a sustaining basis so that it is responsive to the guidance and priorities of the Department's leadership
DISA STRATEGIC OBJECTIVE SUPPORTED	Position DISA as the DoD Leader in the innovative use of information systems technology and service
PROJECT LEADER	John Mitchell Center for Architecture (703) 696-1804 FAX (703) 696-1971

PROJECT DESCRIPTION

This program will continue the development of the overarching Defense Information Infrastructure (DII) architecture that will be used as a yardstick to evaluate and integrate services architecture efforts. Further, this program will provide strategic planning roadmaps, and sponsor both architectural pilots and technology insertion initiatives to fulfill strategic planning goals. This project supports DISA's strategic objective by ensuring that there is a documented, understandable, and defendable plan that shows what the future DII will look like and how OSD will transition to it.

DII Architecture

FUNDING ($000)	
CONTRACT	
O&M	$1,491
PROCUREMENT	$ 0
R&D	$ 0
OTHER	$ 0
Sub Total	$1,491
TRAVEL	$ 10
TRAINING	$ 6
Total	$1,507

MANPOWER	
DISA STAFF YEARS:	4
CONTRACT STAFF YEARS:	8.75

MILESTONES BY QUARTER	1st - Definition of integration links 2nd - Architectures for technical services 3rd - Draft DII architecture 4th - Final DII architecture
CUSTOMERS	CSO, Joint Staff, CINC/Service/Agency
PRODUCT(S)	DII Goal Architecture; Technical services architectures; Integrated link architectures
CONSTRAINTS OR RISKS	Changing scope and definition of the DII

DII Architecture

PROJECT OBJECTIVES	PERFORMANCE MEASURES	CRITICAL SUCCESS FACTORS
1. Update Baseline and Goal DII Architecture to include technical services architectures and integrated link architectures	Completion of integration links (1st qtr); Completion of technical services profile (2nd qtr); Draft architecture completed (3rd qtr); Final Architecture completed (4th qtr)	DII scope and definition in place

DII Enterprise Integration Support

DASD (IM) OBJECTIVE SUPPORTED	Integrate end-to-end functional processes to achieve greater effectiveness and efficiency
DISA STRATEGIC OBJECTIVE SUPPORTED	Position DISA as the DoD Leader in the innovative use of information systems technology and service
PROJECT LEADER	John Mitchell Center for Architecture (703) 696-1804 FAX (703) 696-1971

PROJECT DESCRIPTION

The purpose of this project is to provide a definitive description of the DII baseline and target architecture based upon surveys and analysis of 10 base sites, megacenter facilities, and an integrated management center. Explicit prototype activities will be identified that support the achievement of the target architecture. This project supports DISA's strategic objective by validating the operational feasability of DII concepts before implementing the overall DII, and leaves the prototype systems in the field as operational enhancements.

DII Enterprise Integration Support

FUNDING ($000)	
CONTRACT	
O&M	$ 100
PROCUREMENT	$ 0
R&D	$ 0
OTHER	$ 0
Sub Total	$ 100
TRAVEL	$ 9
TRAINING	$ 0
Total	$ 109

MANPOWER	
DISA STAFF YEARS:	1
CONTRACT STAFF YEARS:	1

MILESTONES BY QUARTER	1st - 4th - Conduct site surveys as directed by D-7; Complete baseline integration offsite
CUSTOMERS	DISA D-7, Services, AT&T Community
PRODUCT(S)	Baselevel architecture for site; Generic baselevel architecture
CONSTRAINTS OR RISKS	None

DII Enterprise Integration Support

PROJECT OBJECTIVES	PERFORMANCE MEASURES	CRITICAL SUCCESS FACTORS
1. Site Characterizations: Baseline IT systems, applications, databases, and networks at Enterprise Integration site	Site characterizations accepted by D7	Site characterizations used by D7 and Services
2. Generic Baselevel Architecture: Template for minimum IT systems, applications, databases, and networks required at the baselevel to support the Enterprise Integration Prototype	Generic baselevel architecture accepted by D7	Generic Baselevel Architecture used by D7 and Services

DII Operations Improvement

DASD (IM) OBJECTIVE SUPPORTED	Implement a flexible, efficient worldwide computer and communications infrastructure
DISA STRATEGIC OBJECTIVE SUPPORTED	Position DISA as the DoD Leader in the innovative use of information systems technology and service
PROJECT LEADER	Mark Scher Center for Software (703) 681-2234 FAX (703) 681-2781

PROJECT DESCRIPTION

The project establishes a "Best Industry Practices" program for efficient and effective operation of DII computing resources and promulgates the practices throughout DoD. It also implements an engineering methodology to improve the success rate of software application development projects. Specific DII components that will benefit by best practices proffered by this project include: end-user baselevel distributed computing, client-server implementation, long-haul networks, data centers, and software developers. Tools and methodologies will also be identified and best practices guidelines will be written for these DII components. A key by-product of the program is identification of performance measures and targets for assessing the quality (and cost effectiveness) of service provided by DISA to the DII community.

DII Operations Improvement

FUNDING ($000)	
CONTRACT	
O&M	$ 669
PROCUREMENT	$ 0
R&D	$ 0
OTHER	$ 0
Sub Total	$ 669
TRAVEL	$ 15
TRAINING	$ 9
Total	$ 693

MANPOWER	
DISA STAFF YEARS:	8
CONTRACT STAFF YEARS:	6.5

MILESTONES BY QUARTER	1st - 2nd - Benchmarking results/DII baselevel segment 1st - 2nd - UNIX/UNISYS Benchmarking results 1st - 3rd - Develop guides (key cost factors) 4th - Develop FFS rate structure; Recommend DII operational efficiency policies
CUSTOMERS	DASD (IM), DASD(IM/IT), DASD(IM/P+I), DASD (C3/T) --- DISO & MILDEP/Agency IT Operations
PRODUCT(S)	Benchmark results/recomm. & guides; Operational metrics activation assistance; Site/System operations policy recomm.; System redesign trigger policy recomm.
CONSTRAINTS OR RISKS	Insufficient resources to fully address each segment of the DII, must focus on high payback arenas; DoD Component operational site cooperation is essential for success; Dispersed IT operations efficiency responsibility at OSD level

DII Operations Improvement

PROJECT OBJECTIVES	PERFORMANCE MEASURES	CRITICAL SUCCESS FACTORS
1. Identification: Identify and publicize critical DII operational cost factors and key management metrics • Introduce baselevel DII segment • Extend Data Center (DII segment) analysis • Target specific systems • Analyze software development • Improve software application performance with software performance engineering	Benchmark baselevel operations; DII Operational Self-Assessment Guides published (baselevel, specific sys., DPI extensions); End-to-end delay benchmark analysis to identify major DII bottlenecks; Software performance engineering recommendations published; Data center O/S diversity minimized	DoD Component operational site cooperation per DII segment; Self-assessment guides published per targeted DII segments; End-to-end delay effort broad enough to highlight the most serious DII bottlenecks
2. Implementation: Operational Metrics Management Program Activation within DoD Components • DPI POP • Baselevel POP • CDA POP • Specific system POP	Proofs-of-Principle (POP) show cost avoidance	Funds for management tools suites to track key cost factors (start this year, but cannot complete POP within fiscal year, continue next year to document cost avoidance) -- support needed from CIM Central Fund
3. Institutionalization: Institute a continuous metrics management process for DII Operations • Policy recommendations management • Curriculum development and training • Publicize operation improvement guidelines	Introduce new DII Operation Policy: site operations, system operations & system redesign triggers	Annual DII Ops Conference; Policy on site & system operations; Guides for CDAs on key operational cost factor tradeoffs (for design, development, and maintenance)
4. Institutionalization: Support OSD level DII Efficiency Council	Publish annual report on DII efficiency	OSD emphasis on Goal 4 and participation in an Information Management Efficiency Council

DoD Software Reuse Initiative

DASD (IM) OBJECTIVE SUPPORTED	Integrate end-to-end functional processes to achieve greater effectiveness and efficiency
DISA STRATEGIC OBJECTIVE SUPPORTED	Position DISA as the DoD Leader in the innovative use of information systems technology and service
PROJECT LEADER	Donald J. Reifer Center for Software (703) 681-2069 FAX (703) 681-2790

PROJECT DESCRIPTION

This project is intended to institutionalize software reuse in support of the warfighter, DII, EI, and weapons systems across the DoD as directed by ASD(C3I) in coordination with the USD(A&T) and the DDR&E. Specifically, the initiative: develops a vision and strategy for the reuse initiative; generates a strategic plan (5 year) and implementation plan (2 year) to realize the strategy for the Department based upon Service planning inputs and manages the execution of the plan; coordinates, tracks, and reports progress on the execution of the plans by Services and DoD Components; defines reuse technology needs and coordinates them with ARPA and the Service labs; acts as the Department's spokesman for reuse matters; actively promotes partnerships with DoD programs, industry, and academia aimed at satisfying Department-wide needs; and promotes reuse and provides current and accurate information to interested parties about Departmental activities.

DoD Software Reuse Initiative

FUNDING ($000)	
CONTRACT	
O&M	$4,800
PROCUREMENT	$ 0
R&D	$ 0
OTHER	$ 0
Sub Total	$4,800
TRAVEL	$ 80
TRAINING	$ 20
Total	$4,900

MANPOWER	
DISA STAFF YEARS:	4
CONTRACT STAFF YEARS:	46

MILESTONES BY QUARTER	1st - Establish SRI Infrastructure 2nd - Make Reuse Information Clearinghouse Operational 3rd - Define Infrastructure Changes 4th - Establish Partnerships
CUSTOMERS	OSD: ASD(C3I) DASD(IM); DoD Components Software Reuse Focal Points; Information Systems/C2/Weapons Systems: PEOs and PMs; CDAs and Life-cycle Support Agencies
PRODUCT(S)	Strategic plan; Operational implementation plan; Marketing plan; BBS, Software Reuse Hotline; Technology transition framework; SRI products review policies and procedures; Planning, tracking, and reporting procedures
CONSTRAINTS OR RISKS	Availability of funding for FY95; Special POM issue for FY96 and outyears; Manpower freeze

DoD Software Reuse Initiative

PROJECT OBJECTIVES	PERFORMANCE MEASURES	CRITICAL SUCCESS FACTORS
1. Implement a product line approach	Modify DoD infrastructure; Manage product lines; Engineer product lines; Manage assets; Integrate products	Measurable, positive ROI; Increased reuse across product lines; Increased utilization of architectures within product line; Annual trouble reports on less than 1% of managed assets; Increased usage of assets; Improved performance; Increased productivity
2. Develop a reuse-based systems/software engineering paradigm	Select best practices; Integrate development environments; Review/Update technology roadmap	Evaluation criteria established; At least one set of best practices has been used successfully; Availability of integrated environments; Critical technologies mature to point of usability in real environment
3. Remove barriers to reuse	Define reuse business model(s); Deploy reuse business model(s); Manage reuse business model(s); Define incentives; Deploy incentives; Manage incentives	Quantify estimated cost avoidance or cost savings within domain/product lines; Quantify estimated ROI from product-line pilot projects; Achieve non-economic benefits, e.g., deliverables ahead of schedule, reduced funding requirements; Quantify increase in amount of reuse
4. Quicken technology transfer	Develop transfer framework; Develop transfer products and services; Provide education and training; Identify partner programs; Establish partner programs	Reuse adoption process implemented by core number of product line managers; Product line managers receive sufficient guidance and support; Product line managers sufficiently encouraged to begin reuse; Reuse practitioners have necessary knowledge and skills; Projects are successful
5. Make success apparent	Launch marketing campaign; Disseminate reuse information; Benchmark reuse practices; Establish hotline	Availability of electronic access; Collection statistics show widespread withdrawal of products; Statistics from hotline indicate usage; Interconnectivity with other electronic sources of data and reuse libraries; Results justify investments; Business case can be made

Enterprise Data

DASD (IM) OBJECTIVE SUPPORTED	Derive standard definitions of data, on an aggressive schedule; Establish strong management of data quality, including data availability, integrity, accuracy, and security
DISA STRATEGIC OBJECTIVE SUPPORTED	Position DISA as the DoD Leader in the innovative use of information systems technology and service
PROJECT LEADER	Carla von Bernewitz Center for Software (703) 681-2131 FAX (703) 681-7797

PROJECT DESCRIPTION

This project defines and implements logical and physical enterprise data designs for shared, interoperable, distributed, subject area databases across DoD. Critical project objectives include single data source, shared databases, rapid data access, and data interoperability among the CINC/Services/Agencies.

Enterprise Data

FUNDING ($000)	
CONTRACT	
O&M	$4,987
PROCUREMENT	$ 0
R&D	$ 0
OTHER	$ 0
Sub Total	$4,987
TRAVEL	$ 20
TRAINING	$ 22
Total	$5,029

MANPOWER	
DISA STAFF YEARS:	48
CONTRACT STAFF YEARS:	51

MILESTONES BY QUARTER	1st - 4th - Produce and distribute DoD Enterprise Data Model (quarterly) and DoD data standards; Provide collaborative modeling products; Conduct data standard technical reviews and approvals 2nd - DDRS & PCAT 1.0 release 3rd - DDRS & PCAT 1.1 release 4th - DDR release 1.0
CUSTOMERS	Functional Managers (PSAs), Services, Defense Agencies, CINCs
PRODUCT(S)	DoD data standards; SDE technical reviews; DoD enterprise model; DoD Data Admin dictionary and repository services; Metrics; Data model integration; Service, System, and Functional data model reviews
CONSTRAINTS OR RISKS	Funding; Functional management level of participation; Technology limitations

Enterprise Data

PROJECT OBJECTIVES	PERFORMANCE MEASURES	CRITICAL SUCCESS FACTORS
1. Develop and maintain DoD Enterprise Data Model	Integrate up to 50 functional area and system data models	Model package submissions
2. Conduct collaborative modeling	Up to four concurrent collaborative modeling projects in planning and/or execution stages	Nominations and participation for collaborative modeling
3. Technically review, coordinate, and standardize DoD data	Technical review of candidate data submitted and approved	Candidate data submissions by Functionals and Components
4. Data quality assessments	Four major systems on DPI's	Program and DPI buy-in
5. Provide DoD dictionary and repository services	Provide PCAT versions 1.0, 1.1; Support 700+ users of DDRS	DDR Steering Committee SAIC/AMS contractual support
6. Provide repository support	Automated support for database development	Suitable infrastructure to support repository access and use

Executive Agent for Information Systems Testing

DASD (IM) OBJECTIVE SUPPORTED	Implement a computer and communications infrastructure that is transparent to the applications software residing on it
DISA STRATEGIC OBJECTIVE SUPPORTED	Position DISA as the DoD Leader in the innovative use of information systems technology and service
PROJECT LEADER	Rita O'Connor Center for Test and Evaluation DSN 879-5011; (602) 538-5011 FAX DSN 879-2380; (602) 538-2380 Kim March-Force Center for Test and Evaluation DSN 879-5052; (602) 538-5052 FAX DSN 879-2380; (602) 538-2380

PROJECT DESCRIPTION

This effort provides a centrally managed and coordinated testing program to support the implementation of DoD and Federal information systems. This project provides oversight of the testing taking place in the DoD/Federal/industry and identifies and establishes additional testing programs to support areas where a need is identified but no programs exist. It also enables the DII to support the Defense Information System.

Executive Agent for Information Systems Testing

FUNDING ($000)	
CONTRACT	
O&M	$1,121
PROCUREMENT	$ 0
R&D	$ 0
OTHER	$ 0
Sub Total	$1,121
TRAVEL	$ 0
TRAINING	$ 0
Total	$1,121

MANPOWER	
DISA STAFF YEARS:	
CONTRACT STAFF YEARS:	6

MILESTONES BY QUARTER	1st - 4th - Update program chart quarterly; Publish standards test program availability quarterly; Update and list database of test facilities and registers at least quarterly; Publish test facility accreditation guidelines 1st qtr FY95; Support at least two onsite assessments quarterly during 2nd , 3rd, and 4th quarters of FY95; Present standards awareness training package 2nd quarter FY95
CUSTOMERS	OASD, DISA/CIM, DII, DoD Procurement Officials (PM DMS, ULANA-II, SBIS, GCCS, JCALS), Functional Managers of DoD Migration Systems, Other Federal Agencies
PRODUCT(S)	Program chart of available registers of tested products; Accreditation guidelines for recognition of test facilities; Register of accredited DoD, commercial, Federal, and international test facilities; Consulting services for OSE procurement; Training material for incorporation into curriculum targeted to DoD Acquisition Corps
CONSTRAINTS OR RISKS	Availability of funding required to seed infrastructure that is identified as not currently available in the public domain

Executive Agent for Information Systems Testing

PROJECT OBJECTIVES	PERFORMANCE MEASURES	CRITICAL SUCCESS FACTORS
1. Promote total system lifecycle cost savings through development of non-proprietary, interoperable, and portable systems using reusable standards-based software	Provide training material for DoD Acquisition Corps; Provide consulting for standards-based procurements	PM awareness of test infrastructure early in procurement cycle; Executive Agent for Information Systems Test awareness of procurement during planning stages; Timely and accurate feedback to all queries from DoD/Federal/other agencies and industrial customers
2. Provide testing infrastructure for registers of qualified OSE standards-based off the shelf reusable software products/components	Expand program chart of registers of qualified products; Identify opportunities for DoD cost savings through reuse of common test infrastructure in specific programs and acquisitions	Increase number of OSE registered products from multiple registration authorities; Increase confidence in registered products through objective assessment of the basis of registration by diverse registration activities; Incorporation of common test infrastructure usage into procurement documentation as mandatory to meet test requirements
3. Extend program to include priority standards of Technical Architecture Framework Technical Reference Model (TAFTRM) IAW available funding	Identify and validate registers of products supporting TAFTRM standards IAW available funding	Number of new protocols and standards added to support TAFTRM
4. Enable the Defense Information Infrastructure to support the Defense Information System	Provide consulting for information systems standards-based procurement	Provide timely and accurate feedback to all queries from DoD/Federal/other agencies and industrial customers

Functional Baseline and Integration

DASD (IM) OBJECTIVE SUPPORTED	Integrate technical programs, particularly cross-functionally, so that barriers to data sharing, transfer, and interoperability are identified and removed
DISA STRATEGIC OBJECTIVE SUPPORTED	Position DISA as the DoD Leader in the innovative use of information systems technology and service
PROJECT LEADER	Jerry Bennis, Curtis Miller, Ron Maccaroni, Gerry Russomano, LTC Mike Harvey Enterprise Integration (D7) (703) 756-4740 FAX (703) 756-4749

PROJECT DESCRIPTION

This project involves collecting and maintaining data on functional and cross-functional requirements and tracking progress in achieving migration.

Functional Baseline and Integration

FUNDING ($000)	
CONTRACT	
O&M	$ 6,483
PROCUREMENT	$ 650
R&D	$ 0
OTHER	$ 0
Sub Total	$ 7,133
TRAVEL	$ 41
TRAINING	$ 4
Total	$7,178

MANPOWER	
DISA STAFF YEARS:	18
CONTRACT STAFF YEARS:	75

MILESTONES BY QUARTER	1st - 4th - Varying, depending on the functional areas current migration situation and migration requirements
CUSTOMERS	Joint Staff, CINC, Military Services, DISA, Principle Staff Assistances (PSAs)
PRODUCT(S)	Functional and technical baselines; Description of requirements for each approved DII prototype site; Identification of potential application mergers; Strategic and baseline reports; Definition of cross-functional requirements; Validation baseline documentation; Recruiting requirements updates documentation; Tree reports
CONSTRAINTS OR RISKS	Availability of funding will impact the customers ability to achieve milestone objectives; Varying status of migration progress impacts on ability to address interface/integration requirements

Functional Baseline and Integration

PROJECT OBJECTIVES	PERFORMANCE MEASURES	CRITICAL SUCCESS FACTORS
1. Collecting, validating, and maintaining validated functional requirements	Verified user requirement for each functional area	Tested prototype environment
2. Identifying and validating cross-functional integration requirements	Verified user requirement for each functional area	Tested prototype environment
3. Collecting and tracking the progress of migration and EI activities	Verified user requirement for each functional area	Tested prototype environment
4. Collecting and maintaining baseline data, applications, and infrastructure	Verified user requirement for each functional area	Tested prototype environment

Integrated Management Center Architecture

DASD (IM) OBJECTIVE SUPPORTED	Implement a computer and communications infrastructure that is transparent to the applications software residing on it
DISA STRATEGIC OBJECTIVE SUPPORTED	Position DISA as the DoD Leader in the innovative use of information systems technology and service
PROJECT LEADER	John Mitchell Center for Architecture (703) 696-1804 FAX (703) 696-1971

PROJECT DESCRIPTION

This project identifies and develops operational solutions for the integration of mid-term and future information technology into IMC as part of the DII for IPAD. The project develops essential technical solutions necessary for successful migration of current level I, II, and III network monitoring systems into a mid-term and future DII. These technical solutions are of sufficient detail that they can be prototyped and delivered directly to operational customers for testing and eventual use. The solutions guide system planning, system management, configuration management, and resource planning and justification. This project supports DISA's strategic objective because it shows methods and systems to integrate and manage the DII during a stressed environment.

Integrated Management Center Architecture

FUNDING ($000)		
CONTRACT		
O&M	$	0
PROCUREMENT	$	0
R&D	$	0
OTHER	$	0
Sub Total	$	0
TRAVEL	$	0
TRAINING	$	0
Total	$	0

MANPOWER	
DISA STAFF YEARS:	1
CONTRACT STAFF YEARS:	5.8

MILESTONES BY QUARTER	1st - Collect data at Columbus, Site R, and Ft. Ritchie 3rd - Target regional control center architecture 4th - Integrate regional architecture into DII, DISN, and GCCS architectures
CUSTOMERS	Agencies, CINCs, Services, DISA DNSO, DASD C3I (CIGSCN), DISA Headquarters
PRODUCT(S)	FY 95 - Complete this effort by developing the mid-term and target architectures for integration of DII, DISA, and control centers into the DII; Draft migration plan to move from the current systems and network management process identified in FY 94 to the mid-term and target level control centers
CONSTRAINTS OR RISKS	Unless this project is coordinated closely with DISO, there is the risk of duplication of effort

Integrated Management Center Architecture

PROJECT OBJECTIVES	PERFORMANCE MEASURES	CRITICAL SUCCESS FACTORS
1. Baseline DII Control concept architecture	Completion of architecture	Architecture true and correct
2. Regional Control Centers	Completion of architecture	Architecture true and correct
3. Target DISA Regional Control Center	Completion of architecture	Architecture true and correct
4. Integrate into DII, DISN, and GCCS architectures	Completion of integration into architectures	Integration strategy in place
5. Local Control Centers	Completion of strategy to move from baseline to target	Resources in place

IT Asset Management

DASD (IM) OBJECTIVE SUPPORTED	Implement a flexible, efficient worldwide computer and communications infrastructure
DISA STRATEGIC OBJECTIVE SUPPORTED	Position DISA as the DoD Leader in the innovative use of information systems technology and service
PROJECT LEADER	Mark Scher Center for Software (703) 681-2234 FAX (703) 681-2781

PROJECT DESCRIPTION

This project supports the DII by improving the efficiency with which IT assets are procured, maintained, and resold (e.g., annual DoD cost avoidance targets include: $200M in lower prices, $15M in reduced procurement labor, $100M in reduced maintainance, and $200M in resales). These improvements are critical factors for: creating a competitive capital-intensive utility; initiating an IT Asset Management Program to establish common asset management techniques throughout the DII; creating an intra-DISA and DISA/MILDEP process for streamlining Commercial Off-The-Shelf (COTS) procurement (i.e., the "IT Store") and COTS product lifecare, including maintenance and resale. It fosters the use of enterprise software licenses and electronic software distribution. The project assists ASD(C3I) in preparing IT acquisition and asset management policy. In summary, targeting a DoD annual cost avoidance of $515M/yr, our four basic thrusts are to: develop a DII Asset Management blueprint, speed and simplify IT provisioning, refine DII lifecare strategy, and synchronize these efforts across DoD.

IT Asset Management

FUNDING ($000)	
CONTRACT	
O&M	$ 3,283
PROCUREMENT	$ 0
R&D	$ 0
OTHER	$ 0
Sub Total	$ 3,283
TRAVEL	$ 45
TRAINING	$ 27
Total	$ 3,355

MANPOWER	
DISA STAFF YEARS:	12
CONTRACT STAFF YEARS:	32

MILESTONES BY QUARTER	1st - 2nd - Refined ITAM MNS & CONOPS 1st - 2nd - IM FIM results 2nd - 3rd - 1st set: Desktop enterprise software licenses 3rd - Acquisition, provisioning, and lifecare policy reccommendations 4th - Virtual DoD IT Store fully operational; IM FIM, IM FAPM, and IRM results
CUSTOMERS	DASD(IM), DASD (C3IA), DoD Components (CINC/Services/Agencies)
PRODUCT(S)	DoD consensus on ITAM initiatives; DoD consensus on IT FIM initiatives; Operational electronic shopping/ordering system; Acquisition metrics & policy recommendations; Lifecare metrics & policy recommendations
CONSTRAINTS OR RISKS	Need DoD Component participation to chart and pursue ITAM and IT FIM initiatives; Virtual DoD IT Store moving into an operational mode vs. development mode; Desktop enterprise software licensing is a new approach

IT Asset Management

PROJECT OBJECTIVES	PERFORMANCE MEASURES	CRITICAL SUCCESS FACTORS
1. Blueprint: Identify and develop DoD consensus for critical DII (ITAM & IT FIM) initiatives	ITAM MNS & CONOPS approved; IT FIM; BPR results approved	DoD Component cooperation and participation in BPR efforts; CIM Central Funding for blueprint task activities: IRM, IM, FIM, and IM FAPM
2. Blueprint: Identify and develop blueprint for strategic changes to DII asset management practices	Proofs-of-Principle show cost avoidance	Funds for pursuing DII change agent role and Proofs-of-Principle; CIM Central Funding for blueprint task activities: IRM, IM, FIM, and IM FAPM
3. Provisioning: Implement DoD electronic shopping & ordering system with software license distribution	Electronic shopping system goes fully operational	Provide electronic shopping support to GCCS and DII for IT components
4. Provisioning: Implement virtual DoD IT Store for just-in-time delivery and enterprise software licensing	DoD Component stores use DEALS	DoD Component IT Store cooperation
5. Lifecare: Develop DoD IT Maintenance Strategy	DII Maintenance Strategy published	Strategy meets current DII operation needs/acquisition rules; Requires CIM Central Fund supplement
6. Lifecare: Develop DoD IT Disposal/Resale Strategy	DII Disposal/Resale Strategy published	Strategy meets current DII operation needs/acquisition rules; Requires CIM Central Funding
7. Synchronization: Develop acquisition metrics and acquisition, provisioning, and lifecycle policy recommendations	Key acquisition cost factors defined; Policy recommendations provided to OSD	DoD Component acquisition community cooperation; Requires CIM Central Fund supplement
8. Synchronization: Support OSD level DII Efficiency Council	Publish annual report on DII efficency; Provide IT Asset Management policy recommendations	OSD emphasis on Goal 4 and participation in an OSD DII Efficiency Council

Migration/Functional Tactical Planning

DASD (IM) OBJECTIVE SUPPORTED	Integrate technical programs, particularly cross-functionally, so that barriers to data sharing, transfer, and interoperability are identified and removed
DISA STRATEGIC OBJECTIVE SUPPORTED	Position DISA as the DoD Leader in the innovative use of information systems technology and service
PROJECT LEADER	Jerry Bennis, Curtis Miller, Ron Maccaroni, Gerry Russomano, LTC Mike Harvey Enterprise Integration (D7) (703) 756-4740 FAX (703) 756-4749

PROJECT DESCRIPTION

This project involves supporting customers (Joint Staff, CINCs, PSAs, Services, DISA) in making migration decisions and developing strategies/plans to implement the decisions.

Migration/Functional Tactical Planning

FUNDING ($000)	
CONTRACT	
O&M	$ 7,454
PROCUREMENT	$ 500
R&D	$ 0
OTHER	$ 0
Sub Total	$ 7,954
TRAVEL	$ 38
TRAINING	$ 4
Total	$7,996

MANPOWER	
DISA STAFF YEARS:	18
CONTRACT STAFF YEARS:	85

MILESTONES BY QUARTER	1st - 4th - Varying depending on the functional areas current migration situation and migration requirements
CUSTOMERS	Joint Staff, CINC, Military Services, DISA, PSAs
PRODUCT(S)	TIPs to support implementation; IDPs for Cross-Functional integration and migration strategies; Implementation plans; Migration strategy/update plans; Verification of user requirements; Documented security requirements; Recommended integration solutions
CONSTRAINTS OR RISKS	Availability of funding will impact the customers ability to achieve milestone objectives; Varying status of migration progress impacts on ability to address interface/integration requirements

Migration/Functional Tactical Planning

PROJECT OBJECTIVES	PERFORMANCE MEASURES	CRITICAL SUCCESS FACTORS
1. Performing migration assessments	Verified user requirement for each functional area	Tested prototype environment
2. Developing and managing integration and migration strategies and plans	Verified user requirement for each functional area	Tested prototype environment
3. Developing cross-functional integration solutions	Verified user requirement for each functional area	Tested prototype environment

Migration Management

DASD (IM) OBJECTIVE SUPPORTED	Integrate technical programs, particularly cross-functionally, so that barriers to data sharing, transfer, and interoperability are identified and removed
DISA STRATEGIC OBJECTIVE SUPPORTED	Position DISA as the DoD Leader in the innovative use of information systems technology and service
PROJECT LEADER	Jerry Bennis, Curtis Miller, Ron Maccaroni, Gerry Russomano, LTC Mike Harvey Enterprise Integration (D7) (703) 756-4740 FAX (703) 756-4749

PROJECT DESCRIPTION

This project involves work necessary to achieve the broader context of DoD's EI objectives. The work includes the identification and validation of cross-functions/cross-service requirements and the development/implementation of strategies and plans to address these requirements. It also includes the formation of DISA/customer (Joint Staff, CINCs, PSAs, Services) teams to develop migration/EI requirements/strategies/plans. D7 leads these teams through the development of strategies/plans at which time the team leadership for prototyping/implementation would be taken by other DISA/customer representatives.

Migration Management

FUNDING ($000)	
CONTRACT	
O&M	$3,879
PROCUREMENT	$ 250
R&D	$ 0
OTHER	$ 0
Sub Total	$4,129
TRAVEL	$ 133
TRAINING	$ 12
Total	$4,274

MANPOWER	
DISA STAFF YEARS:	7
CONTRACT STAFF YEARS:	49

MILESTONES BY QUARTER	1st - 4th - Varying depending on functional areas current migration situation and migration requirements
CUSTOMERS	Joint Staff, CINC, Military Services, DISA, PSAs
PRODUCT(S)	EI management strategies for implementation; Cross-Functional/Cross-Service strategies and action plans; DoD migration guide and updates
CONSTRAINTS OR RISKS	Availability of funding will impact the customers ability to achieve milestone objectives; Varying status of migration progress impacts on ability to address interface/integration requirements

Migration Management

PROJECT OBJECTIVES	PERFORMANCE MEASURES	CRITICAL SUCCESS FACTORS
1. Developing and implementing EI management strategies for Cross-Functional/Cross-Service migration requirements	Verified user requirement for each functional area	Tested prototype environment
2. Within the EI strategies, developing and coordinating/facilitating proposals for DISA support for migration strategies	Verified user requirement for each functional area	Tested prototype environment
3. Managing/integrating functional migration plans and Cross-Functional/Cross-Service plans	Verified user requirement for each functional area	Tested prototype environment

Open Systems Environment Testing

DASD (IM) OBJECTIVE SUPPORTED	Implement a computer and communications infrastructure that is transparent to the applications software residing on it
DISA STRATEGIC OBJECTIVE SUPPORTED	Position DISA as the DoD Leader in the innovative use of information systems technology and service
PROJECT LEADER	Rita O'Connor Center for Test and Evaluation DSN 879-5011; (602) 538-5011 FAX DSN 879-2380; (602) 538-2380 Kelly Graham Center for Test and Evaluation DSN 879-5459; (602) 538-5459 FAX DSN 879-5495; (602) 538-5495

PROJECT DESCRIPTION

This project establishes and maintains an open systems environment interoperability test capability to support acquisition of multi-vendor information system products which are interoperable and conformant to the applicable standards listed in the TAFIM.

Open Systems Environment Testing

FUNDING ($000)	
CONTRACT	
O&M	$1,838
PROCUREMENT	$ 0
R&D	$ 0
OTHER	$ 0
Sub Total	$1,838
TRAVEL	$ 0
TRAINING	$ 0
Total	$1,838

MANPOWER	
DISA STAFF YEARS:	6
CONTRACT STAFF YEARS:	15.5

MILESTONES BY QUARTER	1st - 4th - Phase out standards conformance testing; Shift focus to interoperability testing
CUSTOMERS	OASD, DISA/CIM, DII, DoD Procurement Officials (PN DMS, ULANA-II, SBIS, GCCS), Functional Managers of DoD Migration Systems, Other Federal Agencies, Commercial OSE Product and Means of Test (MOT) Tool Vendors, Service Agency End User
PRODUCT(S)	Register of approved OSE conformant/interoperable products; Register of OSE reference implementations interoperability testing modules; Register of approved OSE abstract test suites, technical area modules, and interoperability test suites; Quarterly ATS/TAM addenda; Register of approved protocol implementation conformance statements; Register of approved OSE testing laboratories; Continued consulting services for OSE procurement; Commercial grade protocol training program testing administration and policy
CONSTRAINTS OR RISKS	Program is highly dependent on commercial enterprise for products and low cost test tools; Availability of qualified personnel to provide added test infrastructure and services

Open Systems Environment Testing

PROJECT OBJECTIVES	PERFORMANCE MEASURES	CRITICAL SUCCESS FACTORS
1. Expand development of interoperability infrastructure	New IOP capabilities/infrastructures for priority areas of the TAFIM; Capabilities will exist to support current ongoing major program requirements	Availability of qualified personnel; Availability of funds for upgrades to hardware, software, and O/S to support new development areas
2. Expand development of interoperability test methodology	Human factors engineering criteria will exist in interoperability test methodology; Criteria for determining the required number of partners necessary for ensuring correct, reliable, repeatable IOP test campaign results will exist	Acceptance by major acquisition agents of JITC developed methodology; Facilitate the development of criteria and the acceptance of the methodology through attendance at workshops and working group forums; Participation in standards committees pertaining to standards testing
3. Market interoperability infrastructure to other agencies	Major acquisitions will reference the JITC IOP test program in their procurements	Access to program managers and procurement agents to present details of IOP test program
4. Maintain conformance test capability in support of major DoD acquisitions (e.g., DMS)	Conformance test capability for the following protocols: X.25, CLNP, ES-IS, IS-IS, TCP/IP, Transport Classes 0, 2, and 4, Session, ACSE, ROSE, Presentation, X.500(88), X.400, X.700, and FTAM	Availability and retainability of in-house personnel to fully support this effort
5. Develop and expand register of qualified conformance/interoperable products	Increase number of conformance products on register; IOP tested products on the register for use by acquisition agencies	Vendors continue to submit products for registration
6. Continue providing consulting services for OSE procurements	DoD procurement agencies provide positive feedback to JITC	Use of register by procurement agencies for acquisition of conformant/interoperable products

Open Systems Standards for Information Processing for DII/NII

DASD (IM) OBJECTIVE SUPPORTED	Implement a computer and communications infrastructure that is transparent to the applications software residing on it
DISA STRATEGIC OBJECTIVE SUPPORTED	Position DISA as the DoD Leader in the innovative use of information systems technology and service
PROJECT LEADER	Bobby Zoll Center for Standards (703) 487-3552 FAX (703) 487-8263

PROJECT DESCRIPTION

The objectives of this project are to: incorporate DoD requirements in information processing standards developed by non-government standards bodies; motivate and facilitate vendor development of standards-based applications to fulfill DoD needs; develop comprehensive IT guidance to enable DoD migration to an open systems environment; and innovate standards development methodologies to enable faster and lower risk technology insertion. This project directly supports DISA objectives to establish core and leading edge information utility services, and to promote technological innovation through the development and coordination of essential IT standards. A comprehensive set of information processing standards is critical to megacenters, migration systems, and desktop operations.

Open Systems Standards for Information Processing for DII/NII

FUNDING ($000)	
CONTRACT	
O&M	$ 3,690
PROCUREMENT	$ 0
R&D	$ 0
OTHER	$ 0
Sub Total	$ 3,690
TRAVEL	$ 43
TRAINING	$ 80
Total	$ 3,813

MANPOWER	
DISA STAFF YEARS:	55
CONTRACT STAFF YEARS:	36.9

MILESTONES BY QUARTER	1st - Develop InfoSec Standards WG products; Develop MARC requirements 2nd - Develop ISO Standards adoption plan; Prepare Software Metrics Handbook; Develop MARC mapping 3rd - Implement Security Labeling Plan; Establish POSIX Ada 94 Bindings; Develop Electronic Commerce (EC) Requirements 4th - Prepare Public Windows Interface Specifications; Develop ANSI/IEEE Enterprise Engineering Model; Publish updated TAFIM Vol 7; Publish updated ITSG; Draft Specification 1170, X/OPEN, R/T
CUSTOMERS	Government Agencies, NATO, OASD(C3I), CINCs, DoD Major Programs
PRODUCT(S)	Adopted IT Standards; Volume 7 of TAFIM IT Standards Guidance Handbook
CONSTRAINTS OR RISKS	Adopting a standard not supported by a commercial product; DoD standard being surpassed by new technology; Adopting standard after product implementation; Acquisition/procurement without open standard and specifications; DoD unique solutions vs. commercial applications

Open Systems Standards for Information Processing for DII/NII

PROJECT OBJECTIVES	PERFORMANCE MEASURES	CRITICAL SUCCESS FACTORS
1. Incorporate DoD requirements in Information Processing Standards developed by non-government standards bodies (NGSB)	Non-government standards include DoD requirements	DoD Component support in identifying requirements and in presenting DoD requirements to the NGSB
2. Motivate and facilitate vendor development of standards-based applications to fulfill DoD needs	COTS products which meet DoD requirements	DoD must purchase standards-based applications
3. Develop comprehensive IT guidance to enable DoD migration to an open systems environment	Publication of TAFIM Volume 7 and the ITSG	ASD/C3I continued support; Utilization of documents by DoD
4. Innovate standards development methodologies to enable faster and lower risk technology insertion	Decreased standards' development time; Standard-compliant COTS products introduced earlier	Cooperation from NGSB's in changing standard development processes

Planning and Integration

DASD (IM) OBJECTIVE SUPPORTED	Implement a flexible, efficient worldwide computer and communications infrastructure; Apply CIM to integrate Defense enterprise-wide operations
DISA STRATEGIC OBJECTIVE SUPPORTED	Position DISA as the DoD Leader in the innovative use of information systems technology and service
PROJECT LEADER	Paul Flaherty Center for Software (703) 681-2080 FAX (703) 681-2790

PROJECT DESCRIPTION

The services provided by Planning and Integration support all of the Center's Corporate Information Management (CIM) mission projects, but do not constitute a project of the DoD CIM Initiative. These services involve: producing all required input to the DISA and DoD planning processes, e.g., Operating Plans, Business Plans and Marketing Plans; monitoring and tracking the progress of Center programs and resources; ensuring that DISA and OSD requirements are met; and providing administrative, technical integration, and acquisition support to the Center.

Planning and Integration

FUNDING ($000)	
CONTRACT	
O&M	$ 2,350
PROCUREMENT	$ 729
R&D	$ 0
OTHER	$ 0
Sub Total	* $3,079
TRAVEL	$ 113
TRAINING	$ 9
Total	$ 3,271

MANPOWER	
DISA STAFF YEARS:	26
CONTRACT STAFF YEARS:	23.5

MILESTONES BY QUARTER	1st - 4th - Program Status Reviews (PSRs); Budget Status Reviews (BSRs); Contract Status Reviews (CSRs)
CUSTOMERS	JIEO, DISA, ASD(C3I), DASD(IM), IG, GAO
PRODUCT(S)	Plans; Reports; Budget documents; Automation; LAN services; Lotus Notes; Correspondence; PSRs; Contract and acquisition documentation
CONSTRAINTS OR RISKS	Scope or mission change

* These Center-wide dollars cover the Program Management task on the CIMSETA contract ($1,300K). Also covered is Center-wide dollars for Office Automation ($729K) as well as Marketing and Integration support ($1,050K).

Planning and Integration

PROJECT OBJECTIVES	PERFORMANCE MEASURES	CRITICAL SUCCESS FACTORS
1. Develop plans	Obtain plan(s) approval; Monitor each Center's program performance measures	DASD(IM) - customer satisfaction
2. Provide Center-wide resource management	Develop and meet spend plan; Meet established obligation goals	Accurate record keeping and quality impact statement
3. Provide Center-wide acquisition support	Timeliness; No valid protest or ratification	Customer satisfaction; Adhering to the Federal Acquisition Regulation (FAR)
4. Manage Center operations	Quality Circle and survey customer satisfaction	No complaints; Customer feedback; Smooth operations
5. Conduct reviews and monitor progress of Center programs and resources	Program Status Reviews (PSRs) indicate constructive growth and change	Quality products and customer satisfaction
6. Integrate Cross-Center activities	Number of coordinated intra-Center products/services	Availability of coordinated products
7. Perform liaison functions	Timeliness; Accuracy of information	Customer satisfaction; Customer feedback; Improved Center operations
8. Provide administrative support to Functional personnel	Timeliness	Customer satisfaction; Customer feedback

Prototype and Requirement Validation

DASD (IM) OBJECTIVE SUPPORTED	Integrate technical programs, particularly cross-functionally, so that barriers to data sharing, transfer, and interoperability are identified and removed
DISA STRATEGIC OBJECTIVE SUPPORTED	Position DISA as the DoD Leader in the innovative use of information systems technology and service
PROJECT LEADER	Jerry Bennis, Curtis Miller, Ron Maccaroni, Gerry Russomano, LTC Mike Harvey Enterprise Integration (D7) (703) 756-4740 FAX (703) 756-4749

PROJECT DESCRIPTION

This project involves supporting customers (Joint Staff, CINCs, PSAs, Services, and DISA) in defining/validating requirements and/or testing migration/integration solutions through rapid prototyping. With the use of Commercial Off-The-Shelf (COTS) products and services, D7 works with customers to refine and further define their requirements through prototyping experience. This allows the totality of the requirements to be identified through feedback from previous increments and reflected in subsequent increments. This evolutionary approach to requirements validation allows for a subset of functional capability to be developed and exported to a limited user community before more traditional programmatic strategies are employed. This rapid prototyping approach has advantages over the traditional AIS lifecycle approach, e.g. development of requirements documents before systems development begins, which often results in systems that fail to meet customer expectations and needs. Outputs of this work are system and infrastructure capabilities that meet user needs that can be deployed.

Prototype and Requirement Validation

FUNDING ($000)	
CONTRACT	
O&M	$ 4,628
PROCUREMENT	$22,519
R&D	$ 0
OTHER	$ 0
Sub Total	$27,147
TRAVEL	$ 38
TRAINING	$ 4
Total	$27,189

MANPOWER	
DISA STAFF YEARS:	7
CONTRACT STAFF YEARS:	65

MILESTONES BY QUARTER	1st - 4th - Varying depending on functional areas current migration situation and migration requirements
CUSTOMERS	Joint Staff, CINC, Military Services, DISA, PSAs
PRODUCT(S)	Working prototype environment; Verification of requirements; Operational prototype test plan; Prototype plan and migration strategy; Operational Cross-Functional integration services
CONSTRAINTS OR RISKS	Availability of funding will impact the customers ability to achieve milestone objectives; Varying status of migration progress impacts on ability to address interface/integration requirements

Prototype and Requirement Validation

PROJECT OBJECTIVES	PERFORMANCE MEASURES	CRITICAL SUCCESS FACTORS
1. Tested prototype environment for all functional areas	Verified user requirement for each functional area	Tested prototype environment

Software Engineering Best Practices

DASD (IM) OBJECTIVE SUPPORTED	Goal 4, Objectives 1&2, all Strategies with emphasis on 5; Goal 5, Objective 1, all Strategies regarding SEBP
DISA STRATEGIC OBJECTIVE SUPPORTED	All 6 goals, emphasis on Goal 1; New objective: Improve the DoD SE capability
PROJECT LEADER	Linda Krothe (Acting) Center for Software (703) 681-2305 FAX (703) 681-2813

PROJECT DESCRIPTION

Identify and transfer Software Engineering Best Practices (SEBP) to enable the defense software community to rapidly deliver high quality, low cost software. Establish and lead the DoD initiative to improve the enterprise software engineering capability, enable the warfighter and the Defense Information Infrastructure with world-class software, and achieve millions of dollars in cost avoidance. Develop procedures, guidelines, and policy recommendations to implement SEBP DoD-wide. Collaborate, develop partnerships/alliances, and integrate with related programs and technologies. Identify SEBP in software management (process improvement, measurement), software engineering environments and tools (I-CASE, DSRS), software engineering technology and methods (reengineering, reuse, domain engineering, object oriented technologies), and technology transfer. Develop and tailor SEBP products and services for the DoD. Transfer SEBP through integrated product/service lines to the defense software community.

Software Engineering Best Practices

FUNDING ($000)	
CONTRACT	
O&M	$13,939
PROCUREMENT	$ 1,644
R&D	$ 0
OTHER	$ 0
Sub Total	$15,583
TRAVEL	$ 0
TRAINING	$ 0
Total	$15,583

MANPOWER	
DISA STAFF YEARS:	53
CONTRACT STAFF YEARS:	125

MILESTONES BY QUARTER	
	1st - DISA SE Capability Improvement Support Plan; GCCS SEBP Support Plan 1st - 4th - Migration System SEBP Support Plans; Migration System SEBP Projects; DoD SEBP Outreach; Partnerships/Alliances; SEBP Pilots/Prototypes; SEBP Product Line Improvements; SEBP Customer Service Improvements 2nd - 4th - DISA SE Capability Projects; GCCS SEBP Projects 3rd and 4th - SE Environments Integration Facility 4th - DoD SE Capability Improvement Strategic Plan

Software Engineering Best Practices

CUSTOMERS	Defense Software Community: Functional PSAs, IMs, TIMs; PEOs, PMs; MilDeps; Agencies; CDAs; U.S. Allies; Dual Use Partners
PRODUCT(S)	Products/services are provided across the SEBP areas of software process improvement, measurement, engineering environments, reengineering, reuse, domain engineering, and object oriented technologies and methods. **Primary Customer Services** include: Outreach, Assessments/Evaluations, Planning/Implementation Assistance, Training/Workshops, and Pilots/Prototypes/Projects. **Enabling Products/Services** include: Policy Recommendations, Advisory/User/Working Groups, Conferences/Seminars/Briefings, Training Materials, Processes, Methods, Tools, Models, Information System Assets, Guides/Documentation, Lessons Learned/Technical Reports, and Help Desk/Assistance/Referral.
CONSTRAINTS OR RISKS	Resources (staffing and funding); DoD culture change required to implement SEBP; Resistance to change; DoD software engineering capability level; DoD software engineering workforce competency; Existing DII capability; DoD acquisition process; Migration system identification

Software Engineering Best Practices

PROJECT OBJECTIVES	PERFORMANCE MEASURES	CRITICAL SUCCESS FACTORS
1. Improve the DISA Software Engineering Capability	DISA SEBP Policy Recomms; DISA SEBP Training /Workshops; DISA Personnel Retrained; DISA SE Capability Projects; DISA SEBP Projects (GCCS, DII)	DISA Mgmt Commitment; Staffing; Funding
2. Improve the Software Engineering Capability of Critical DoD Organizations/Projects	DoD SEBP Training /Workshops; DoD Personnel Retrained; DoD SEBP Projects (Migration Systems); DoD SEBP Consultation	Organization Mgmt Commitment; Migration Systems Selection; Staffing; Funding
3. Increase DoD-wide Commitment to Software Engineering Best Practices	DoD Endorsements; Briefings to Key DoD Execs; Conference Presentations and Papers; Partnerships/Alliances with Industry, Academia, and Govt Organizations; DoD Advisory, Working, and User Groups	OSD, Service, and Agency Endorsements; Industry, Academia, and Government Endorsements; Staffing; Funding
4. Expand and Improve Capability to Transfer Software Engineering Best Practices	Customer Satisfaction; Customers Serviced; Products/Services Available; Products/Services Transferred; Pilots/Prototypes	Customer Feedback; Lessons Learned; Staffing; Funding
5. Build Five Year Strategic Plan to Improve the DoD Software Engineering Capability	Written Plan; Approved Plan	OSD, Service and Agency Commitment; DISA Commitment; Stable Vision

Technical Architecture Framework for Information Management (TAFIM)

DASD (IM) OBJECTIVE SUPPORTED	Establish technical policies and a standards-based system architecture to guide implementation of the infrastructure
DISA STRATEGIC OBJECTIVE SUPPORTED	Position DISA as the DoD Leader in the innovative use of information systems technology and service
PROJECT LEADER	John Mitchell Center for Architecture (703) 696-1804 FAX (703) 696-1971

PROJECT DESCRIPTION

This program will continue development of the TAFIM to provide broad architectural guidance for all DoD information systems. The TAFIM provides technical guidance to the CINC/Service/Agency acquisition, system development, and O&M efforts for evolving the Department's information systems and supporting infrastructure toward an open systems environment. This project supports DISA's strategic objective because the DII almost by definition cannot be enabled for the warfighter without standards and standardized architectural methods.

Technical Architecture Framework for Information Management (TAFIM)

FUNDING ($000)	
CONTRACT	
O&M	$1,006
PROCUREMENT	$ 0
R&D	$ 0
OTHER	$ 0
Sub Total	$1,006
TRAVEL	$ 5
TRAINING	$ 7
Total	$1,018

MANPOWER	
DISA STAFF YEARS:	4
CONTRACT STAFF YEARS:	8.6

MILESTONES BY QUARTER	1st - Develop automated hypermedia TAFIM 2nd - Train 15 to 20 managers on TAFIM 3rd - Implement SGML based configuration management of TAFIM 4th - Automate comment resolution process
CUSTOMERS	OSD, CINCs/Services/Agencies
PRODUCT(S)	TAFIM - Volumes 1 to 8 in electronic and hardcopy format
CONSTRAINTS OR RISKS	None

Technical Architecture for Information Management (TAFIM)

PROJECT OBJECTIVES	PERFORMANCE MEASURES	CRITICAL SUCCESS FACTORS
1. Provide training on TAFIM	Successful completion of pilot class training for 15 to 20 functional managers	Coordination among TAFIM related projects; Strong feedback from class participants
2. Configuration Management of TAFIM	Complete baseline version of TAFIM; Reduce number of formats across the different volumes, including graphics, wordprocessing, tables, and figures; Convert TAFIM to SGML as a means to control the configuration management task; Establish automated system for forwarding community comments to dissemination in TAFIM related products	Develop local SGML capabilities and skills; Conversion costs for different formats
3. Develop tool that automates application of TAFIM concepts	Adoption of concept by functional architecture managers; Successful review of functional architectures	The Architecture Characterization Tool (ACT) needs further development
4. Develop effective means of distributing the TAFIM	Distribute automated hypermedia version of TAFIM	Acceptance of use of electronic TAFIM